

Several Commenters, including Floridas Power and Light, Current Technolgies LLC, and the IEEE Power System Relaying Committee have stated that there is insufficient evidence to show that Broadband over Power Line Ssystems will cause interference to licensed and

other users of the High Frequency Radio spectrum. These assertions are factually wrong as studies by The American Radio Relay League and others, myself included, have shown that unacceptable levels of

interference do emanate from the powerlines using BPL. Investigations that I conducted in the test area in Cincinnati, OH

show extremely high levels of RF interference from the BPL system being tested by Current Technologies and Cinergy exist not only in

the limited distribution area, but in areas several blocks removed.

In addition, some of the pro-BPL commentors assert that the BPL systems are "point-source" emitters (Current Technologies, July 7, 2003 Comments), which implies that the field strength from these sources would decrease as the square of the distance from the source (inverse square law).

In reality, these systems will be more like line source emitters because of the geometry of the power lines and would only appear to be point source at great distances, if one is able to get far enough away from the source. Line source signals do not decrease as rapidly as point source signals, and the fact that the line source will be everywhere that power lines exist (a point that the pro-BPL commenters use to show how widespread the service could be) means

that all potential receivers will be in close proximity to the interference.

It is incumbent upon the operators of these (BPL and other Part 15) devices to avoid interference to licensed services and prove that the use of these devices is acceptable. It is not up to the licensed

users to prove that a technology is not acceptable. We should not be required to "prove a negative". Again, I will state that

sufficient evidence already exists to show that this technology, in its present state is not acceptable and further development along these lines should cease. Other countries such as Japan and the Netherlands have done so already. Do not make the mistake of opening a Pandora's Box of future trouble.